

PERLİT ENSTİTÜSÜ YAYINLARI

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Perlite Information Library

The information sheets below (titles linked to PDF files) are an in-depth collection of the research, tests, applicable uses, and technical data the Perlite Institute and its members have compiled and published for perlite, grouped by industry. For more information about these uses or other uses for perlite, please contact the [Perlite Institute member](#) nearest to you.

ABOUT PERLITE

- [Applications of Perlite \(The Perlite Wheel\) \[NEW\]](#)
- [Why Perlite Works \[NEW\]](#)
- [Perlite and Sustainability \[NEW\]](#)
- [Physical Characteristics of Perlite \[REVISED\]](#)
- [Health Effects of Perlite \[REVISED\]](#)
- [The Perlite House \[NEW\]](#)

HORTICULTURE

—GREEN ROOFS

- [Gardens in the Sky: Growing Food on Rooftops \[NEW\]](#)
- [Roof Gardens that are Gentle on the Roof \[NEW\]](#)
- [Container Growing with 100% Perlite and Perlite /Peat Mixes](#)

—IN THE GROUND

- [Horticultural Perlite – The Natural Growing Media for Outdoor Gardening](#)
- [Effective Watering with Horticultural Perlite](#)

—PROPAGATION

- [Indoor Gardening with Perlite](#)
- [Cultivation of Spruce Seedlings in Mixtures of Perlite and Sphagnum Peat in Norway](#)
- [Perlite Gradation and Peat/Perlite Mixtures](#)

—HYDROPONICS

- [The Role of Perlite in Hydroponic Culture](#)
- [Hydroponic Culture of Strawberries in Perlite](#)
- [Growing Orchids in Perlite \[REVISED\]](#)
- [Growing Snapdragons in Perlite \[NEW\]](#)

—TECHNICAL

- [The Concern Over Fluorides](#)
- [Perlite vs. Polystyrene in Potting Mixes](#)
- [Comparative Growth Studies Perlite vs. Polystyrene Media](#)
- [Rice Hulls vs. Perlite and Vermiculite](#)

CONSTRUCTION

- [The Perlite House \[NEW\]](#)

—LIGHTWEIGHT INSULATING CONCRETE

- [Overview of Perlite Concrete \[REVISED\]](#)
- [Perlite Aggregate for Lightweight Tile Mortars](#)
- [Transit Mix Perlite Concrete](#)
- [Insulating Underground Pipe and Ducting with Perlite Insulating Concrete](#)
- [Perlite Insulating Concrete Pool Base for In-Ground Vinyl Pools](#)
(for specifications on Aggregates for Perlite Concrete refer to ASTM C332)

—CONCRETE ROOF DECKS

- [Perlite Insulating Concrete Roofdeck](#)
- [Perlite Insulating Concrete Roofdeck \(Specs\)](#)
- [Nail Holding Power of Perlite Concrete](#)

—PERLITE PLASTERS

- [Lightweight Aggregate for Portland Cement Plasters and Gypsum Plasters](#)
- [Lightweight Fiber Reinforced Perlite Cement Plasters](#)
(for specifications refer to UL C35)

—OTHER CONSTRUCTION USES

- [Underslab Insulation Using Perlite in Bags \[REVISED\]](#)
- [Perlite Loose Fill Masonary Insulation \[REVISED\]](#)
(for specifications on Perlite Loose Fill Insulation refer to ASTM C 549-02)
- [Perlite for Textured Coatings \[REVISED\]](#)

INSULATION

—MASONRY FILL PERLITE

- [Thermal Performance of Masonry Walls Insulated with Perlite](#)
- [Perlite Loose Fill Masonary Insulation \[REVISED\]](#)
(for specifications on Perlite Loose Fill Insulation refer to ASTM C 549-02)
- [Silicone Treated Perlite – Loose Fill Insulation](#)

—CRYOGENIC / HIGH TEMPERATURE INSULATION

- [Perlite for Non Evacuated Cryogenic and Low Temperature Service \[REVISED\]](#)
- [“Super” Insulating Perlite for Evacuated Cryogenic Service](#)

- [Evacuated Perlite](#)
- [Perlite as High Temperature Insulation](#) **[REVISED]**
- [A Guide for the Bulk Handling of Expanded Perlite](#)

—OTHER INSULATION APPLICATIONS

- [Underslab Insulation Using Perlite in Bags](#) **[REVISED]**
- [Perlite Chimney Lining Systems Solve Condensate Problems in Old and New Chimneys](#)
- [Insulating Underground Pipe and Ducting with Perlite Insulating Concrete](#)
- [Perlite Insulating Concrete Pool Base for In-Ground Vinyl Pools](#)
(for specifications on Aggregates for Perlite Concrete refer to ASTM C332)

INDUSTRIAL APPLICATIONS

- [Perlite in Lightweight Formed Products](#) **[REVISED]**
- [High Temperature Applications for Perlite in the Steel & Foundry Industries](#)
- [Perlite in Simulated Stone, Masonry and Wood Products](#)

—PERLITE AS A FILLER

- [Perlite Volcanic Glass as a Hollow Microsphere Filler](#)
- [Lightweight Fillers for Glass/Reinforced Polyester](#)
- [Perlite Volcanic Glass as a Glass Flake Filler](#)

—OTHER INDUSTRIAL USES

- [Perlite as an Absorbent or Carrier](#)
- [Perlite for Use in Well Cements](#)

FILTRATION

—PERLITE FILTER AIDS

- [Perlite for Filtration](#) **[REVISED]**